

Result No.	Score	Query Match	Length	DB	ID	Description
1	1764	100.0	1764	11	US-09-815-923-3	Sequence 3, Appl1
2	552.4	31.3	4305	15	US-10-199-846-11010	Sequence 11010, #
3	504.6	28.6	3946	15	US-10-213-948-4	Sequence 4, Appl1
4	389.8	22.1	2016	10	US-09-843-598-1	Sequence 1, Appl1
5	389.8	22.1	2016	10	US-09-843-598-2	Sequence 2, Appl1
6	389.8	22.1	2016	10	US-09-843-598-3	Sequence 3, Appl1
7	374.2	21.2	2208	11	US-09-917-800A-1429	Sequence 1429, Appl1
8	374.2	21.2	2283	11	US-09-954-485-560	Sequence 560, Appl1
9	374.2	21.2	2283	11	US-09-954-485-1630	Sequence 1630, Appl1
10	366.2	20.7	2919	12	US-09-919-039-377	Sequence 377, Appl1
11	364.6	20.7	3404	11	US-09-880-107-3339	Sequence 3339, Appl1
12	348.4	19.8	2863	10	US-09-795-232-1	Sequence 1, Appl1
13	331.4	18.8	1798	11	US-09-818-656A-1	Sequence 1, Appl1
14	331.4	18.8	1798	15	US-10-216-441-1	Sequence 1, Appl1
15	325.2	18.4	3513	11	US-09-815-923-13	Sequence 13, Appl1
16	230.6	16.5	4956	11	US-09-815-923-9	Sequence 9, Appl1

[illegible]


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Db      535 GGAAGCGGAGACCTGGGGCAAGAAGTGATTCCTCTCTCAGTGTATGGCTATGCTG 594
Oy      167 TGGATCTTGGTAAGCTGTGGGATTCCTCCCTACATCTGTACCAGAAATGAGCGGTGCT 226
Db      595 TGGACCTGGGAATGTGGCGCTTCCCTACATATGTTACAGATGAGAGGGGGGAT 654
Oy      227 TCCGATCCCTGACTGCTGTATGTGCTGTGTGGGGGCTCCGGCTGTCTTCCCGAAC 286
Db      655 TCCCTCCTCCCTACACCATCATATGGCCATTTTGGGGGAATCCCGCTCTTTACATGAGAC 714
Oy      287 TGGCGCTGGGCACTACCAACCGCTGCGGCTCCCTCCTCTCTGTGAAACGATCCCGC 346
Db      715 TCGGACTGTGGAGACACCCGAATGGATTTCAATATGAGAGAAATCTCCCGA 774
Oy      347 CGCTTAAAGGTGGGCTATGCCATCTGCATGATGCAATCATATGAGGCAATGTACTCA 406
Db      775 TTTTCAAGGATGTGGTATGCCATCTGCATATGCTCTTTTACATCTCTCTCACTACA 834
Oy      407 ACAGATCATGAGATGGGCGGTGTATTACTGTATCGCTTCTCTCGCTCTATAACTCTG 466
Db      835 ACACATCATGTGGCGGGCGGTATATCTACATCTCTCTCTCTGACGACGAGTGGCCT 894
Oy      467 TGTGCTCATGGAACAGCTGCGACAAAGAGTGAACACGCCGCTGTGACGCCGCTACCT 526
Db      895 GGACCAAGCTGCAGAACTCTGGAACACTGGCAACTGCACCAATTAATCTCTCGAGACA 954
Oy      527 CACCTCAGACTAATCTACTCTCTCTCTACACGGGCAAGAGTCTTGAAGTATGTAT 586
Db      955 ACATCATCTGGACCTTCCATTTCCACGTCCTCCGCTGGAAGAAATTTTACACGCCACGCTC 1014
Oy      587 TGGAGCAGACAGATCTTAACGCCCTGTGATGACATGAGTGGCCGCTCAAGCCGCTGCGTC 646
Db      1015 TGCAGATCACCAGGCTTAAGGGGCTCCAGAACCTGAGGAGCATGCGGAGGAGCTGGGCC 1074
Oy      647 TGTGTGTGTGGGGCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 706
Db      1075 TCTGTATCATCTGTATCTTCACTGTATCTTCACTTCACTTCACTTCACTTCACTTCACT 1134
Oy      707 CTGGCAAGCTGTGGGTGAGACAGCTTGGCCCGCTACGTGGTGTGTGTGTGTGTGTGTGT 766
Db      1135 CTGGCAAGCTGTGGGTGAGACAGCTTGGCCCGCTACGTGGTGTGTGTGTGTGTGTGTGT 1194
Oy      767 CGAGAGGCTGACGCTTCCAGAGGAGGAGGAGGAGTACGCTACTACCTTACCCAGAGT 826
Db      1195 TGAGGGGTGCCACCTCCCTGGAGGCTGAGAGGGGTCTCTCTCTCTCTCTCTCTCTCTCTCT 1254
Oy      827 GGCACAATTTGCAAACTCTAAGTATGATGATGACGGCGCATCCAGATTTTCTTCTGCG 886
Db      1255 GGCAGAAACTCTCTGAGACAGGGGCTGTGATGATGACAGCGCTCAGATCTTCTCTCTC 1314
Oy      887 TCGGTCCTGGGTGGAACTCTACTGGGCTCTCCAGCTACAAAGTTCACAACTCACT 946
Db      1315 TTGGTCCTGGGCTTTGGGCTCTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1374
Oy      947 GCTACAGGAGCGGCTCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1006
Db      1375 GCTACAGAGATGCCCTGTGTGACAGCGGTGTAAGTGTGATGACAGGCTCTCTCTCTCTCT 1434
Oy      1007 TCGTCTATTTCTCGGCTTTTGGGTGATGATGCGGACGCTTTCAGAACAGAGCATGAGAGG 1066
Db      1435 TTGTCTATCTTCACTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1494
Oy      1067 TTGGG ---CTGGAAGGCCCTGGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1123
Db      1495 TGGCCAAAGAGCGAGGTCCACGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1554
Oy      1124 TGACGCGCTCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1183
Db      1555 TGGCAGCGTCCACTTTCTTGGCATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1614
Oy      1184 ACAGTACTTTTGGAGGCTTGTAGGCACTACACGCGCTTTTGGCAGCAATATCTCTGAG 1243
Db      1615 ACAGCAGCTTGGCAGGCTTGGAGGGGTGATCACGCTGTGCTGTGATGATGATGATGATGATG 1674

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Oy      1244 TGTTAGCGAGACATTCGGCAGATATTGTGGCTGTACTGCTCTGTGTCAATATATTGCG 1303
Db      1675 TGTGGGCTCAAGCGCGGGAGGGGTTCGTGTCGGCTGTGTATACATCGTCTTCTTTGGAT 1734
Oy      1304 CTCTGCCACCAACACATACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1363
Db      1735 CCTGTGTACCTGACTTTTGGAGGGGCTCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1794
Oy      1364 CTGATTTGGCATTTCTATTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1423
Db      1795 CGGGGCCCCGAGTGTCTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1854
Oy      1424 GCGTGTGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1483
Db      1855 GCATCTACTGTTCTGACGGGAGCGAAGAAATCTGTGCTTCAAGCCGGGGGTGTCT 1914
Oy      1484 GGAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1543
Db      1915 GGAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1974
Oy      1544 TTCTGGCACAGAGAGATGCTCGCGGGGAGTATACCTATTCCTCATATGCTATACCG 1603
Db      1975 TGATGAGCCCGCACACTACGACTTTTCCAAATATATATCTTACTGAGATATCATCT 2034
Oy      1604 TAGGCTGGGTATGACCGGACCCACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1663
Db      2035 TGGGTTACTGCTATGAGAACTCTATTTTCAATATTTGTATGCCACATATATATGCTTGT 2094
Oy      1664 TGTCTCATCTCTCTGGCAATTTGCATCAACCCGATCAAGACAA 1705
Db      2095 TGATCATCATCTCCAGGACATTTAAAGAGGATATTATTAATA 2136

RESULT 3
US-10-213-948-4
; Sequence 4, Application US/10213948
; Publication No. US20030100479A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham
; TITLE OF INVENTION: Gene Polymorphisms and Response to Treatment
; FILE REFERENCE: P04541
; CURRENT APPLICATION NUMBER: US/10/213,948
; CURRENT FILING DATE: 2002-08-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 3946
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-213-948-4

Query Match      28.6%; Score 504.6; DB 15; Length 3946;
Best Local Similarity 59.2%; Pred. No. 1.8e-145;
Matches 943; Conservative 0; Mismatches 629; Indels 21; Gaps 4;

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Db 533 CCCCCTACTGAAAGGTGGGCTTACAGGTATCTCATCTCATCTGTAATGTCGGCTTCT 592
Qy 442 CTACACACAGATCATCGATGGGCGGTATTAATGATGCTTCTCTCGGCTCTATAA 461
Db 533 CTACACAGTCTATCGCTGGGCTGCTCATCTCTCTCTCTCTCTCTCTCTCTCTCT 652
Qy 462 CTCTGTGCTGCGCATGGACAGCTGCGACACAGAGTGAAC--ACGGCGGTGTCAGCGCG 520
Db 653 CCCCCTGATCCATGCAACACTCCTGGACAGCCCACTGCTGGATGCCCATCTCTGG 712
Qy 521 TCACCTCACTCAGACTATCTCACTCT-----TCACACCGCGCGAAGA 566
Db 713 TGACTTCAGTGGAGACAGCTCGGCGCTCAGACACTTTTGGGACCAACCTGCTGCCGA 772
Qy 567 GTTCTGCAAGCTATGTAATGGACAGACACAGCTTAAGCGCTTGGATGACATGGGCG 626
Db 773 GTACTTTAAGTGGCGTGGCTGCTCCTCAGCAGACCATGGCATGAGACCTGGGCGC 832
Qy 627 GATCAAGCGCTGCGGCTCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 686
Db -833 TCCGGGGTGGAGCTCAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 892
Qy 687 GTGAAAGAGTCAAGAGTCTGSCAAGGTGTGTGAGAGCTTGGCCCGCTACGT 746
Db 893 CTGGAAGGCGTGAAGACCTCAGGGAAGGTGTATGATCAGACCCACATGCCATACGT 952
Qy 747 GGTGCTGCTGATTCGTGGGAGAGGCGTCAAGCTTCCAGAGGAGGAGGCGGATACG 806
Db 953 GGTCTCACTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1012
Qy 807 CTACTACCTTACCCAGAGTGGCACAAATTCGAAACTCTAAGTATGATGATGAGCGCGC 866
Db 1013 AGCATACCTGAGCGCTTACTTCTACCGGCTCTGCGAGCGTCTGTTGGATTGAGCGCGC 1072
Qy 867 ATCCCAATTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 926
Db 1073 CACCCAGGTGCTTCTCCTCGGCGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1132
Qy 927 CACAAAGTTTAAACACACTGCTACAGGAGCGGCTCATCTCTTCTATCACTGCTT 986
Db 1133 CACAAAGTTTAAACACACTGCTACAGGAGCGGCTCATCTCTTCTATCACTGCTT 1192
Qy 987 GACCACTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1046
Db 1193 GACGAGCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1252
Qy 1047 GAACAAGACATCGAAGAGTGGCTTGAAGGCCCTGAGCTGCTTCTATCTGCTTACC 1106
Db 1253 CAGTGTGCCATCGGGAGCGTGGCCAAAGAGCGGGCTGATCTTCTATCTTACCTCC 1312
Qy 1107 CGAGGCGCATCGACATGACCGGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1166
Db 1313 GGAAGCGATCGGCGACGCTCCTCTCTCTCAGACCTGGGCGCTGGCTTCTTCTATCTATCT 1372
Qy 1167 TATTAACCTGGAGCTTGAAGTATTTTGAAGCTTGAAGCAGTCAACACGCGCTTTTG 1226
Db 1373 GCTCAACCTGGGATTCAGACGCGCATGGTGTATGAGTCAAGTACACGGGCTCAT 1432
Qy 1227 CGAGCAATATCTCGAGTGTATGAGCAGCATCGGCAATATTTTGGCTGTACGCTTCT 1286
Db 1433 CGATGAGTTTCAGC--TGCTGACAGACACCGGAGCTTTCAGGCTTCTATCTGCTCT 1489
Qy 1287 GTTCATCTATATTTTGGCGCTTGGCCACACACATAGGCTGATATCTCTAGAGCT 1346
Db 1490 GGGCGACTTCT 1549
Qy 1347 ACTCAATGTATGAGCGCTGAGTGGCGATTTCTATTCGTATTTTGGTGAAGCGCGG 1406
Db 1550 CCTGAGACATTTTGGAGCGGCGAGCTCATCTCTTGGATGCTCATCGAAGCATCGG 1609
Qy 1407 CTTGTGCTGGTGTATGAGCGTTCGACCGGTTCTGTAAGATGTGAGGACATGCTGGGCA 1466

Db 1610 AGTGCGCTGTATGAGTGTGGGCTTGCAGGACATCCAGACAGATGACCGGCA 1669
Qy 1467 CACCCCTGATGTTCTGTGAGAGACTGTTGGCTTACTCATAGTCCCGATTTCTGTGCT 1526
Db 1670 GCGGCCAGCGCTGATCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1729
Qy 1527 GCTGTGCTGTTTCCGCTTTCGACACAGAGAGATGCTCGCGGGAATACACTTATCC 1586
Db 1730 CGTGTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1789
Qy 1587 CTGATGCTATACCGGCTGAGCTGAGTATGACGGGACACCGCTCTGCTGATCTCTCT 1646
Db 1790 CGAGTGGCGCAACCGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCT 1849
Qy 1647 TTACATTTCTACAAACGCTCATCTCTCTGG 1679
Db 1850 CTATGCGGCTTACAAATTTCTGACGCTGCTGG 1882

RESULT 4
US-09-843-598-1
; Sequence 1, Application US/09843598
; Patent No. US2002010944A1
; GENERAL INFORMATION:
; APPLICANT: Horvitz, H. Robert
; APPLICANT: Ranganathan, Rajesh
; TITLE OF INVENTION: GEFERT GENES, PROTEINS, AND MODULATORY
; FILE REFERENCE: 01997/525002
; CURRENT APPLICATION NUMBER: US/09/843, 598
; CURRENT FILING DATE: 2001-04-26
; PRIOR APPLICATION NUMBER: US 60/200,549
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2016
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
; US-09-843-598-1

Query Match 22.1%; Score 389.8; DB 10; Length 2016;
Best Local Similarity 55.0%; Pred. No. 5.1e-110;
Matches 882; Conservative 0; Mismatches 702; Indels 21; Gaps 5;
Qy 112 CGCGAGACGTGGGCGAAGAGGACAGTCTGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 171
Db 298 CGTGAATAATGGCAACTAAATGGAATTCCTGTTGGCGCTGCTGCTGCTGCTGCTGCTGCT 357
Qy 172 CTGGAATGCTGCGCATTCCTTCTACATCTGTTACGAAATGAGGCGGCTGCTGCTGCT 231
Db 358 TTGGTATATATGCGCATTCCTTCTACATCTGTTACGAAATGAGGCGGCTGCTGCTGCT 417
Qy 232 ATCCGCTACCTGTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 291
Db 418 ATTCATATTTTCAATTAATGTAATGATCGAGAGACTTCCATGTTCTATATGAACTTGTA 477
Qy 292 CTGGGCGATACACCGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 351
Db 478 CTGGGCAATTTTCAATGCTGAGATGTTAGTATATGAGAAAGGTGCTGCTGCTGCT 537
Qy 352 AAAGGTGCGCTTGTGCGATTCGATGATGATGATGATGATGATGATGATGATGATGATGAT 411
Db 538 CGAGGAATCGGTTACGATGATGCTGATTTTGGACAGTTCAATGACATTTTCTATATGCG 597
Qy 412 ATCATCGATGAGGCGGTATATTCATGATGCTTCTGCGCTGAT--AAACTCTGTG 468
Db 598 ATCATCGATGAGGCGGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGT 657
Qy 469 CTGCGATGAGACCTGCGACACAGATGAGAACCGCGCTGTGACAGCGG-----519
Db 658 GTTCGCTGGGCTGATGAGCAATCGTGAATACCGGAGATGCTCAGATGACCTCAAC 717

OY	520	GTACACCTACCTAGACATAATCCTAACCTCTTACACCGGAGAGAGTCTTCGACAGT	579
Db	718	GTGCAATATCTAGAAATGGACACCATTGACCACTCGCTAGGGAATATATATTTTAC	777
OY	580	AATATATTTGGAGCAGCAACAGTCTTAACGGCTGGATGACATGGGGCGATCAACGCCCTGC	639
Db	778	AAATCCTTGTAAGTCTCAAAAATCAACAGATTCGATCATCTTGGAGGTGTTAAACTTCA	837
OY	640	CTGCGTCTGTGTGTTGGGGGCTTTGTCTCTGCTACCTTCTCTTGTGGAAAGAGTC	699
Db	838	ATGCGACATGTCCTACTGCTGTATTTATATAGTTTACTTGTCTTTGGAAAGGTCA	897
OY	700	AGAGAGTCTGGCAAGGTGTGTGGGTACACACTGTGGCCCCGTACGTGTGTCTCATTT	759
Db	898	CAGTCGTGTGMAAAATTTGTTGGGTACGTGCAACACCTCCATATATATTTCTTAAGTATT	957
OY	760	CTGTGGCGAGAGGCGCTACGCTTCCAGAGACGAGAGGGCATACGCTACCTTACC	819
Db	958	CTTCTTATACGTGGACTCTTCTTCTTCGTGAGCAAAAGATGTCTCTATATATAGTACA	1017
OY	820	CCAGAGTGGCAAAATTGCAAAACTCTTAAGTATGATGACGGGCGATCCACGATTTTC	879
Db	1018	CCGGAATTTGGAAGAACTCAAGATCTCGACATATGTGTGGGTGCTGCTACACAGATTTTC	1077
OY	880	TTTCTCGCTCGGTCCCGGGTTGGAAACCCCTACTGGCGCTCTCCAGCTACAAAGTTAAC	939
Db	1078	TTTCTACTTGGACCAAGATTGGGGGTCTGCTCGCGGTGAGCACTTCAATGATTTTACC	1137
OY	940	AACAACTGCTCTACAGGAGCGCGCTATGACTCTTCTCTATCAACGTCTTGACCAGTCTCTT	999
Db	1138	AATAACTGCTCTCTGTGAGCGCGTCACTATCTCCATCATTAAGTGTGGCACGTCACTTTT	1197
OY	1000	GCTGTTTTCGTCAATTTTCTCGGTTTTGGGGTACATGGCGCACGTTTCAGAACAA--GAGC	1056
Db	1198	TCCGGAATGTGTTATTTCTCTACACTTGGCTATATATGTTCTCTTCACCAATTAACGATT	1257
OY	1057	ATCAGAGAGGTGTGGCTCTGAAAGCGCCCTGAGATGTGTTCATCTGTATCCCGGAGGCATC	1116
Db	1258	AATAGAGTATGTGAGAAACAGACAGCGCTCTCTTAATCTTCAACGCTCAACCCCAAGCCCTC	1317
OY	1117	GCCACCAATGACCGGCTCCGTGTTCTGGGACCATCTTCTCTCATGCTTATTAACCTGT	1176
Db	1318	GCACCAATGATTAACAGTGTGTTCTGTGCTTTCATCTCTTTTTCGTCAATGCTATACCTTT	1377
OY	1177	GGACTTGCACGTACTTTTGGAGGTCTTGAGGACTCAACAGGCTCTTTGGCGAGAAAT	1236
Db	1378	GGAATCGACCTCACTTTTGTGTGAATCGAACAATTTATCAAGGGATCTGTGATGAGT--	1435
OY	1237	CCTGAGTGTATGAGCAGACATCGCGAAGTATTTTGGCTGTACTGTCTTCTATCATAT	1296
Db	1436	-CGAGTTTTTGTGMAAAATCGAATAATGTGTCGTGTGCTCATTTGCATCATTTATTAAC	1494
OY	1297	ATTGACGCTGTGCCACACACACATTAAGGATGTGATATCTGTAAGACCTTCAATATGTG	1356
Db	1495	TTCTCTCAAGCTTTCCCGCTATAGCTATGTGTGTAATTTCTGATCCCGTTCCTGTGATGAA	1554
OY	1357	TATGGCCCTGATTTGGCGATTCTATTCGTGTGATTTGTGTAGCGCTGCGCGGTGTGTGG	1416
Db	1555	TATGAGATTTCTATACGTCTGTCTGTCTATTTCACTCACTCGCAAAATGATTTGACGTGTGG	1614
OY	1417	GTTGATGCGCTGCACCGGTTCTCTGAAAGATGTGAGGACATGCTGTGGGCGACACCCCTGGA	1476
Db	1615	TTTATAGGTGTTGATCACTTTCTCAAAAGATTTGTGTGTATGTGGGGATTTCTATCTGGA	1674
OY	1477	TGTTTCTGAGAGACCTGTG---GTCTTACATCACTGCCGATTTCTGTGCTGTGCTGTC	1533
Db	1675	ATTATATGAGAGTCTGCTGACGTGTTCTCCGGTTTTTATTAAGTGTGATATTTATATATG	1734
OY	1534	GTTGTTCTCCGTTCTGGCACACAGAGAGATGCTGCGCGGGGAATACACCTATCCCTCAATGG	1593
Db	1735	ACTGCTCTCAATATAGTTCGTTCAAGCAATTAATAATGGCTACTACATCTTCCCTGGTGG	1794
OY	1594	TCTATCAACCGTAGGCTGGGTGATGACCGGCAACACCGTCTGTGCTCATCTCTTTTACATT	1653

[illegible]

QY	700	AGAGTCTGGCAAGTGTGTGGGTGACACTCTGGCCCGGTACGTGTCTCTCATTT	755
Db	898	CAGTCGTCTGGAAAAATTTGTTGGGTGACTCCAAACAGCTCCATATATATTTCTAAGTAT	957
QY	760	CTGCTGGCGAAGGGCTCAGCCTTCCAGAGACGACGAGGGCATACGCTTACTTACC	819
Db	958	CTTCTTATACGTGGACTTCTTCTTCTGTGGACCAAGAATGGTCTCTTATTTATGTGCA	1017
QY	820	CCAGAGTGGCAAAATTCGAAAACCTTAAGTATGATTGACGGCGCATCCAGATTTTC	879
Db	1018	CCGGATTTTCGAGAAACCTCAAGATCTCTCAGATATGTGCGCGTGGCTACACATTTTC	1077
QY	880	TTCTGCTCGGAGCCCGGGGTGGAAACCTTACGGGGGCTCTCAGGTACAAAGTCCAC	939
Db	1078	TTCTTACTTGGACACAGGATTTGGGGGTCTGCTCGCGCTGACAGCTTACAAATGATTTTAC	1137
QY	940	AACAACCTGCTACAGGAGCGCGCTCATCTTCTTATCAACTGCTTGACCAGCTTCCTT	999
Db	1138	AATACCTGCTATCGTAGCGCGGTACATCTTCATCATTAATTAAGTGGCAGCTCATTTCTT	1197
QY	1000	GCTGTTTCGTCATTTTTCGCTTTTGGGGTATACGGCGACGTTACAGACAA--GAGC	1056
Db	1198	TCCGGATGTGTTGATTTCTTCAACATTGGCTATATGTCTCTTCCACCAATAAACCGATT	1257
QY	1057	ATCGAGAGGTGTGGCTCGAAGGCCCTGAGCCGGGTGTCATGCTGATCCCGAGGCATC	1116
Db	1258	AATGAGTATGTTGGAGAACACGACGCTCTCTAATCTTCAATGCTTACCCCAAGCCCTC	1317
QY	1117	GCCACCATGACCGGCTCGGTCTGCGGCATCATCTTCTCATGCTTATTACCTG	1176
Db	1318	GCACCAATGAGATTACAGTTGTTGGTCTTTCAGTCTTTCGTCATCTTTCGTCATTAACCTTT	1377
QY	1177	GGACTTGACATGACTTTTGGAGGTCTTAGGCAGTCACACAGGCTCTTGGAGGAATAT	1236
Db	1378	GGAATCGACTCCACTTTTGTGTGAATCGAATCAACATTTATACAGGGATTTCTGTGATGAGT--	1435
QY	1237	CCTCAGAGTGTAGGACAGACATCGCGAATATTTGGCTGTACTGCTCTTTCATCAT	1296
Db	1436	-CGAGGTTTTGTGAAAAATCGAANAATGTTGCGTGTGCGTCAATTTGGATCATTTATTAC	1494
QY	1297	ATTTCGCTCTGCCACCACCAACATACGGTGTGTATTCCTGTAGACCTTACTCAATGTG	1356
Db	1495	TTCTCTACACTTTCGCCGTATCAGCTATGTGTGTCATTCGTAATCCGTCCTGGATGAA	1554
QY	1357	TATGGCCCTGGATTGGCGATCTCTATCTGTGATTTGGTGAAGGCGCGGGGTGCTGG	1416
Db	1555	TATGGAGTTTCTTATCACTTCTGTCTTCAATGTACCTGCGAATGATTTGACGTCTGGG	1614
QY	1417	GTTATGCGCTGACCGGTTCTTGAAATGTTGAGACCAACGTCGGGGACACCCCTGGA	1476
Db	1615	TTTTACGGTGTGATCACTTCTCAAAAGATTTGTGTGTATGCTGGGATTTCTATCTGGA	1674
QY	1477	TGTTTCTGGAGAGCTGTG--GTCTTATCAATGTCCTGATTTCTGCTGTCTTC	1533
Db	1675	ATTATATGCGAGTCTGCTGAGCGTGTCTCCGGTTTTTATTAAGTGTGATTTTCATATG	1734
QY	1534	GTTTCTCGCTTGGGACACAGAGAGATGTGCGGGGGAATACACTATACCTCATG	1593
Db	1735	ACTGTCTACAAATAGTTCGTTCAAGCAATTTAAATGGCTAGCTACACTTCCCTGGTGG	1794
QY	1594	TCTATACACCGTAGCGTGGTATGATACCGGACCAACCGCTGTGATCTCTCTTATCAT	1653
Db	1795	AGTGTATTTTGGGTGGTCTCTGAGACTTCTCTCAGTCTCTGCAATTTCTCTGTCTGCA	1854
QY	1654	ATCTACAAAGTCTCATCATCTCTGGCAATTTGATCAACCGCATC	1698
Db	1855	ATAATCTACTGCTCAGCGGTACCGGCACACTTACGAACGCTTC	1899

[illegible]

Db 1018 CCGGATTCGAGAACTCAAGAGTCCCTGAGTATGTCGGCTGCTACACAGATTTTC 1077
OY 880 TTCTGCTCGTCCGCGGTTGGAAOCCCTACTGGGCTCTCCAGCTACACAGATTCAAC 939
Db 1078 TTCTACTGGACACGAGATTCCGGGCTGCTGCTGGGCTGAGAGATTACATATTTTAC 1137
OY 940 AACACGCTACAGGAGCGGCTCATCTCTTCTATCACTGCTGACAGCTTCTT 999
Db 1138 AATACTGATATGAGAGCCGCTCACTATCTCCATCATTAATGAGCCAGCTATTTCTT 1197
OY 1000 GCTGCTTCTATTTCTCGGTTTGGGTCATGCGCCAGCTTACAGAA---GACC 1056
Db 1198 TCCGATGTTGTATCTCTACACTGCTGCTATATGCTCTTCAACCAATTAACGATT 1257
OY 1057 ATCCGAGAGTTGGCTCGAAGCCCTGAGCTGGGTTATGCTGACCCGAGGCTATC 1116
Db 1258 AATGAGGATGTTGGAGAACACAGCCCTCTTAATCTTATGCTTACCCCAAGCCCTC 1317
OY 1117 GCCACATGACCGGCTCCGCTGTTGGCCATCATCTTCTCATGCTTATTAACCTG 1176
Db 1318 GCACATGATGATACAGTTGTTCTGCTTCTCATCTTTTGTGATGCTATCACTCTT 1377
OY 1177 GCACCTGACAGTATTTGGAGCTTTGAGGCACTACACAGGCTTTGCAAGCAAT 1236
Db 1378 GGAATCGACTCCACTTTGCTGGAATCGAAGCATTTATCACGGGATTTCTGATAGT-- 1435
OY 1237 CCTGAGTGTAGGAGACATCGGCAAGTATTTGGGCTGCTGCTTCTGTCATCTAT 1296
Db 1436 -CGAGTCTTTTCGAAATATGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1494
OY 1297 ATTTGCGCTCCGACACACACATACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1356
Db 1495 TTCTCAGCTTCCGCTATGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1554
OY 1357 TATGCGCTGAGTGTGAGCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1416
Db 1555 TATGAGTTTCTATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1614
OY 1417 GTGATGCGCTGAGCGGCTTCTGTAAGTGTGAGGACCATGCTGGGCGACACCCCTGA 1476
Db 1615 TTTTACGGTGTGATGATGCTTCAAAAGATATTCGCTATGCTGAGATTTATCTGGA 1674
OY 1477 TGGTCTGAGAGACCTGTTG--GCTTATCATCACTCCGCTATCTTCTGCTGCTGCT 1533
Db 1675 ATTTATGAGAGTGTGCTGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1734
OY 1534 GTGCTCTCGTCTGACACAGAGAGATGCTGCGGGGAATACACCTATCCCTCATG 1593
Db 1735 ACTGCTACAAATAGTGTGCTCAAGCCAAATTAATGCTAGCTACCTTCCCTGCTG 1794
OY 1594 TCTATCAGCGTAGGCTGGGTGATGACCCGACACCGCTGCTGCTGCTGCTGCTGCT 1653
Db 1795 AGTGTATTTTGGGTGGTGGTCTGAGACTTCTCTAGCTGCTGCTGCTGCTGCTGCT 1854
OY 1654 ATCTCAAACTGCTCATCACTCTGCAATTCATCAACCCGATC 1698
Db 1855 ATAATCTACTGCTCAGCGGTACCGGCACTTTAGCAAGGCTTC 1899

RESULT 7
US-09-917-800A-1429
; Sequence 1429, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendlick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A

; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1429
; LENGTH: 2028
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 M95762
US-09-917-800A-1429

Query Match 21.2%; Score 374.2; DB 11; Length 2028;
Best Local Similarity 53.8%; Pred. No. 3.5e-105;
Matches 844; Conservative 0; Mismatches 713; Indels 12; Gaps 3;

OY 108 GCAGCGGAGACCTGGGCGCAAGAGAGTTCCTGCTGGGCTGCTGCTGCTGCTGCTGCT 167
Db 215 GGAAGCGGAGCATGAGACCAACAGATGAGTTCGCTGCTGCTGCTGCTGCTGCTGCT 274
OY 168 GATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 227
Db 275 TGGCTTAGCAACGCTGAGAGTTTCCCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 334
OY 228 CCTGATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 287
Db 335 CTATTATCCCTACCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 394
OY 288 GCGCTGGGCGAGTACACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 347
Db 395 AGCGCTGGGCGAGTACACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 454
OY 348 GCTTAAAGTGTGCGGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 407
Db 455 CTTCAGGCGCATGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 514
OY 408 CAGATCATGAGTGGGCGGTATTAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 467
Db 515 CGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 574
OY 468 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 527
Db 575 GGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 634
OY 528 ACCTGAGATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 587
Db 635 TTCCCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 694
OY 588 GGAGCAGCAAGTCTAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 647
Db 695 AGTCTGAGAGTCTGAGTGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 754
OY 648 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 707
Db 755 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 814

Db	1091	TTTCTGAACCACTGAGGAGCCGGCAGACAGTGAACCCATTGTGAGATTTTACTCACCCTGTC	1150
Qy	562	AAGGAGTTCTTCGAAACGTAATGATTTGAGAGCAGACAAAGTCAACGGCTGGAATGACATG	621
Db	1151	ATGGAATTTCTGGGAGAGACGAGTTCTGG-----GCATCACCTGGGGCATTCATGACCTG	1204
Qy	622	GGGGCGAATCAAGCCGTGGCTGGCTGTGTGTGTGTGGGGGCTTTGTGCTGTGTCTATCTC	681
Db	1205	GGCTTCCTGGCGCTGGGAAGCTGGCCCTGTGCTCTGCTGCTGGCTGGGTATGTGCTATTTTC	1264
Qy	682	TCCTTGTGGAAAGAGTCAAGGAGTGTGGCAAGGTGTGTGGGTGACAGCTCTGACCCCG	741
Db	1265	TGCATCTGGAAGGGGGTCAAGTCCACAGGCAAGGTGGTTTATTCACAGCCAGCTTTCG	1324
Qy	742	TACGTGGTGTGCTGATTTCTGTCTGGCCAGAGAGGCTCACGCTTCCAGGAGGACGGAGGC	801
Db	1325	TACCTGATGCTGTGATTTTGTCTATCAGAGGTGCACCTTCCCGGAGCCCTACAGGCG	1384
Qy	802	ATAGCTACTCTCTTACCCAGAGTGGCACAAATTGGCAAACTCTAAGATTTGATTGAC	861
Db	1385	ATCATCTACTACTTGAAGCCAGATTTGTTCGGCTCAAGAGCCCTCAGTGTGATGAT	1444
Qy	862	CGCGCATCCAGATTTTCTTCCTGCTGGGTCCCGGTTCCGAACTTACTGCGCTCTCC	921
Db	1445	CGGGGCAACCCAGATCTTCTCTCTCCCTTCCATCTGCCAGAGGGGTGCTCAGACCCCTGGC	1504
Qy	922	AGCTACAACAGTTTCAACAAACACACGTGGCTACAGGGAGCGGCTCATCAGTCTCTATCAAC	981
Db	1505	AGCTACAACAGTATCACACAACTGCTACAGAGCTGCAATGCCCTCTGCTTCCCTGAC	1564
Qy	982	TGCTTGAACAGCTTCTCTGCTGTTGGTCAATTTTCGAGTTTGGGGTACATGAGCGCAC	1041
Db	1565	AGTGCCACACACTTGTGGCTGGGTGTGTGTCTTCATCTGAGGCTTCATGTGCCAA	1624
Qy	1042	GTTAGAAACAGACATCGAGAGTGTGGCTCGAAGGCCCTGGACATGTGTATGTGT	1101
Db	1625	GAGCAAGGGGTGCCATTTTCTGAAGTGGCCAGTACAGGTCTTGAGCTGGCCCTTATGACC	1684
Qy	1102	TACCCCGAGGCCATCGCCACCATTACCGGGCTCGCTGTTCGGGCATCATCTTCTCTCC	1161
Db	1685	TTCCCAAGGCTGTGACTATGATGCCCTTATCCAGAGTGTGTCTGCTGCTTCTTATC	1744
Qy	1162	ATGCTTATTAACCTCGGACTTGACAAGTACTTTTGAGAGTCTTGAAGCAGTACACAGGCT	1221
Db	1745	ATGCTCATATTCCTAAGGGCTGGAAGCCAGTTTGTCTGTGGAGTGCCTGGTGAACGCC	1804
Qy	1222	CTTTGGCAGCAATATCCCTCGAGTGT-----AAGCAGACATCTCCAGAGTATTTGTGGCT	1275
Db	1805	TCCATPAGACATGTTCCCGAGGCACTCCGGAAGAAGCGGGCGGCGAGCTCCTATCCTC	1864
Qy	1276	GTACTGCTTCTGTTCACTATATTTGGGCTCTGCCACACACACATPAGGTGTGTATAC	1335
Db	1865	ACCATCGCGCTCATGTGCTACCTATAGGGCTTTTCTCGGTACACGAGGGGGATGATAC	1924
Qy	1336	CTCGTAGACCTACTCAATATGTATG---GCCCTGAGTTGGGATTCATATTCGTGTATTT	1392
Db	1925	ATCTTCCAGCTGTTTGACTACTATATGCTTCCAGTGGCATATGCTGTGCTTCTCTCATTTG	1984
Qy	1393	GCTGAGGCTGCGGCGTGTGCTGGGTATGAGGCTGCACGCGTTCTCGAAGATGTGAGG	1452
Db	1985	TTTGAAGTGTCTGATTAAGCTGGGTGATGGGCGGACCGTTTCTATGACAACTTGAAG	2044
Qy	1453	ACCATGCTGGGGCACACCCCTGAGTGGTCTTGAGAGGACCTTGTGCTTACATCAATGCC	1512
Db	2045	GACATGATTTGGCTACCGGCCATGTGCCCTGTGTGAAGATCTCCTGGCTTCTCAACCCCT	2104
Qy	1513	GTAATCTTCTGAGTGTCTGTGTCTGCTTCCGTTGAGACACGAGGAGAT---GCTGGCG	1569
Db	2105	GGACTTTTGCTGGCCACTTTCCTCTTCTCTTGAGCAAGTACACCCCTCAAGTACAC	2164
Qy	1570	GGGGAATACACTTATCCCTATGTCTATCAACCGTGAAGGTGGGTATGACCGGACACCC	1629

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Db      2165  AACGTCATATGTCATCCGCCCTTGGGGGATPACTCCATTBGGCTGCTTCCTGCTCC 2224
OY      1630  GTCTGTCGTCATCTCTCTTTTACATTATCTACAAACTGCTCATCTCTGGCAATGATC 1689
Db      2225  ATGCTCTGTGTGTCACCACTTTCGTGTGTCATCACCTCTGGAAGACTCGGGGTCCTTTCAGG 2284
OY      1690  AAGCG 1694
Db      2285  AAGCG 2289

RESULT 12
US-09-795-232-1
: Sequence 1, Application US/09795232
: Patent No. US20010012627A1
: GENERAL INFORMATION:
: APPLICANT: Anthony M. Brown
: APPLICANT: Conrad Gerald Chapman
: APPLICANT: Israel Simon Gloger
: APPLICANT: Joanne Rachel Evans
: APPLICANT: William Cairns
: APPLICANT: Hugh Jonathan Herdon
: TITLE OF INVENTION: NOVEL COMPOUNDS
: FILE REFERENCE: GP-30176-D1
: CURRENT APPLICATION NUMBER: US/09/795,232
: PRIORITY FILING DATE: 2001-02-28
: PRIOR APPLICATION NUMBER: 09/182,728
: PRIOR FILING DATE: 1998-10-29
: PRIOR APPLICATION NUMBER: 9818890.7
: PRIOR FILING DATE: 1998-08-28
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 2863
: TYPE: DNA
: ORGANISM: HOMO SAPIENS
US-09-795-232-1

Query Match      19.8%; Score 348.4; DB 10; Length 2863;
Best Local Similarity 53.3%; Pred. No. 4,1e-97;
Matches 896; Conservative 0; Mismatches 691; Indels 93; Gaps 4;

OY      112  CGCGAGACCTGGGGGAGAAAGCAGCAGTCTCTGCGCGGTGGGATTCGCGTGGAT 171
Db      826  CGAGGGAACCTGTGTCCAGCAAACTGACCTTCATCTGTCCATGTTGGGGTACAGTGGG 885
OY      172  CTTGTAACGTGTGGCGATTCCTCCCTACATCTGTTACAGAAATGAGGCGGTGCTTCG 231
Db      886  CTGGGCAATGTCGTGAGAGTTTCCTTACCTGGCCTTCACGAACGGGGGAGGTCCTTC 945
OY      232  ATCCCGTACTCGTTATGCTCTCTGTTGGGGGCGTGGCGGCTGCTTCCTCTGGAAC 291
Db      946  ATCCCTTAACCTGATGATGCTGTGCTCTGCTGGCTGATTAACCACTTCCTTCTGGAG 1005
OY      292  CTGGGCGCATACCAACCGCTGGCGCTGCTCACTCTCTGGAAGAGGATCTGGCGGCTT 351
Db      1006  CTGGGCGCATTTGGCAGCAGCAGGAGACAGATGCTGTGTGGAAG-----GGCATTC 1062
OY      352  AAGGTTGCGGCTATGCCATCTGCATGATGACATCTACATGAGGATGATCTACACAG 411
Db      1063  CAAGGCTGTGGCATTCGCGATCTGATCATCTCTCTCCAAATAGGCATATTAACAAT 1122
OY      412  ATCATCGATGGGCGGTGTATTACTGTATGCTCTCTCTCGGCTATA----- 459
Db      1123  ATTATTTGCTATACACTTTTCTACTCTGTTGGCCTTTGTGTGTACTACCTGGGGC 1182
OY      460  -----AA 461
Db      1183  TCTCTGCAACAACCTTGGATATACCCAGAAATGCAAAAGATAAACCAACTTTTAT 1242
OY      462  CTCGTGCTGCATGAGACCACTGCGACAAACGAGT--GGAACACGCCGCTGTGACGCCG 519
Db      1243  TCTGTGTGTTATCACTGTGACATCCCAAAATATCAGATATCAAGAACTGACATTTCT 1302

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Oy	520	GTACCTCACCACGACTAATTCCTAACTCTTCTACACCGGAGAGAGTCTTCGAACT	579
Db	1303	GCTTATCCCAACGTCGAATAGTTAAATTTACACGACGGCCAAATAAGACATTTTGCACT	1362
Oy	580	-----AATGATTTGGAGCAGCACAAAGTCTAAACGGCCCTGGATGCATGT	621
Db	1363	GGAAGTGAAGAGTACTCTCAAGTACTTGTCTGTGAAGATTTCTCGAGGATTTGAATATCCT	1422
Oy	622	GGGCGGATCAAAGCCGTGCTGCGCTGTGTGTGTGGGGGTCTTTGTCTGTCTACTTC	681
Db	1423	GGCGAGATCTAGGTGGCCACTAGCTCTCTGCGCTCTCTGCGGTTGGTCATTTGTATGCA	1482
Oy	682	TCCTTGGTGAAGAGTCAGAGAGTGGTGGCAAGGTGGTGGGGAGGAGACGTCTGGCCCG	741
Db	1483	TCGTTGGCTAAAGGAATATCAGACTTCAAGAAATGGGTGATCTTCAGGGCACCTTCCG	1542
Oy	742	TACGTGCTGCTGATTTCTGCTGGCAGAGAGGCGTCACGCTTCCAGAGAGCGACGGAGCG	801
Db	1543	TATGTCTACTCGTATCTCTCTCATCTCCGAGAGATCAACCTGCGTGGAGCTGAGCTGGG	1602
Oy	802	ATAGCTACTACTTACCCCAAGATGGGCACAAATTTGCAAAACTTAAGTATGGATTGAC	861
Db	1603	ATCTGTACTTCAATCACACCCCAAGTGGAGAAATCTACGAATGCGACAGTGTGGAAAGAT	1662
Oy	862	CGCGCATCCGAGATTTTCTCTCCGCTGGGTCCCGGTTCGGAAACCTTACTGGCCCTCTCC	921
Db	1663	GCCTCCACTGAGATTTTCTCTCTCTTTATCTGCTGCATAGGAGGCGTATCACTCTCTCT	1722
Oy	922	AGCTACAACAAGTTCAACACACTGCTTACAGGAGCGCGCTCATCTCTTCTTATCAAC	981
Db	1723	TCCTTACAACAATTCACACACACTGCTTACAGGAGCACTCAATTTGTACCTGCACCAAC	1782
Oy	982	TGCTTGACACACTTCTCTGCTGGTGTGTCTATTTTTCGGTTTTGGGTGATAGGGCCAC	1041
Db	1783	AGTGCACACAGCATTTTGGCGGCTTGCTCATCTTCTTCGTTATCGGCTTCATGGCCAAAT	1842
Oy	1042	GTTCAGAACAAAGACATCGAGAGTGGCCCTCGAAGGCCCTTGACGTGTTCATCGTG	1101
Db	1843	GAAGCAAAAGTCAACATTTGAGAATGTGGACACCAAGGCGCAGCATTTGTGTGTT	1902
Oy	1102	TACCCGAGGCGCATCGCCACCATACCGCGCCGCTGTTTGGGCGATCATCTTCTCTC	1161
Db	1903	TACCCGAGGCGCTTAAACAGGCTGCTCTCTCTCCGTTCTGGGCGATCATCTTCTCTG	1962
Oy	1162	ATGCTTATTACCTCGGGACTTGACAGTACTTTTGGAGGTCTTTGAGGCAAGTCAACCAAGCT	1221
Db	1963	ATGCTCTCATCTTTGGACTTGACATATGTTTCCACACATCGAAGACATATGTACCTCC	2022
Oy	1222	CTTTGGCAGCAATATCTCGAGTGTATGCGACACATGCGAAGTATTTGTGTGCTACTG	1281
Db	2023	ATCTCAAGCGGTTTCCCAAGTACTCTCGCACACACAAGCCAGGTTTACTCTGGGCTGC	2082
Oy	1282	CTTCTGTTTCACTAATTTTGGGCTCTGCGCCACACACATACGSGTGGTATCTCTGTA	1341
Db	2083	TGCATTTGTTCTTCAATCATATGAGTTTTCACATATGATCACTACAGGTGGAATTTACATGTT	2142
Oy	1342	GACCTACTCAATGTGTATGCGCCCTGAGTTGGCATCTTATTCGTGTATTTGCTAGAGCT	1401
Db	2143	CAGCTTGGCAGACCTTATGCTGCTCTCTATGCCCTTGTCAATTTGCCATTTTGTACCTC	2202
Oy	1402	GCGGCGGTGCTGGGTATGGGCTGGACCGGTTCTGTGAAGATGGAGACCATCTGTG	1461
Db	2203	GTTGGGAGATCTTTATGTGTATGGCTTGCAAAATTTGTGTAGATATATAGATATGATATT	2262
Oy	1462	GGGACACACCCCTGAGTGGTTCTGGAGACCTGTTGTGCTTACATACAGTCCGTAATCTTG	1521
Db	2263	GGATTTCCAGCTTACATCTTCTCGAAGAGTGTGGGCAATTTTGAACCCCAACCATTTTA	2322
Oy	1522	CTGTGTCTGTCTGTCTCTCCGCTTCTGGACACACAGAGATGCTCTGGCGGGGAATTACAC	1581
Db	2323	ACCTTTATCCCTTGTCTTACGCTTTTACACAGTGGAGGCCACAGACTTATGTGCTTATCGC	2382

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Oy      1582  TATCCCTCATGAGTCTATACACCGTAGGCTGGGTGATGACCGGACACACGTCGTGCATT 1641
Db      2383  TATCTTACTACTGGTCCATGAGTGCTCGGATGGCTATATGCTGCCCTGTTCCGTCATCTGGATC 2442
Oy      1642  CCTCTTACATTTATCTACAAACTGCTCTCATCTACTCTGCGCAATTCATCAACCCGATCAAG 1701
Db      2443  CCAATTATGTTTGTGATATAAAATGCAATCTGGCCCCCTGGAAGATTATTATGAGAGCGTGAAG 2502

RESULT 13
US-09-818-656A-1
; Sequence 1, Application US/09818656A
; Patent No. US20020142381A1
; GENERAL INFORMATION:
; APPLICANT: GONG, Fangcheng et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001191
; CURRENT APPLICATION NUMBER: US/09/818,656A
; CURRENT FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1798
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-818-656A-1

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Query Match	18.8%	Score 331.4	DB 11	Length 1798
Best Local Similarity	55.4%	Pred. No. 6,1e-92		
Matches 637	Conservative 0	Mismatches 512	Indels 0	Gaps 0
QY	104	CGCGGACGCGGAGACCTGGGCGAAGAAAGGACAGATTCTCTGCGCGGTGGTGGGATTTC	163	
DB	108	CCCTGGAGGGGGGCACTGGAAACACAAAGATGAGATTGTGCTGTCAAGTGGCTGGGAGA	167	
OY	164	CAGTGGATCTTGGTAACTGTGGCATTCCTTACATCTGTTCACAGATGAGGCGGTG	223	
DB	168	TCATTGGCTTAAAGCAACGTCGAGAGTTTCCCTACTCTGTGTACAAAATGGGGAGCGTG	227	
OY	224	CGATTCCGATCCCGTACTGCTGTATGCTGTCTTTGGGGGGCGTGGCGCTGTCTTCCTGG	283	
DB	228	CTTTCTTACATCCCTTACCTGCTGCTTCCTTTTACCTGTGGCATTCCTCTCTCTTCTGG	287	
OY	284	AACTGGCGCTGGGGCGAGTACCAACCGCTGGCGCTCACTCTCTGGAAACGATCTGCC	343	
DB	288	AGACAGACACTAAGSCAGTACACTAAGCAGAGGGGCGTACACGCTGGAGAAAGATCTGCC	347	
OY	344	CCGCGCTTAAAGGTGTGCGGCTATGCCATCTGCATATATGACATCTACATGGGCAATGACT	403	
DB	348	CCATCTTTTGGGGCAATTTGGCTATGGCTCCAGATGATGTATCTCTCTCAACCTTACT	407	
OY	404	ACAACAGATCATCGGATGGGCGGTATATTACCTATGCTTCTCGCGCTTAAACT	463	
DB	408	ACATCATTTGTGTGGGCTGGGCCCTGTCTTACTCTTACGACGTTACACATTCGACCTGC	467	
OY	464	CTGTGCTGCCATGAGACCACTCGCAACAGATGAGAACACGCGCTGTGACGCGCGTCA	523	
DB	468	CTGGGGGCGGCTGCTCCATGTAGTGAACACAGAACACTGTATGAGATGTCAGAAAGCA	527	
OY	524	CCCTACCTCGACTATATCTACTCTTCTACACGGGGCAAGAGATCTTTCGACAGTATG	583	
DB	528	ACGGCTCCCTGAAATGTTACTCTGAGAAATGGCACTTCTGTATCGAGTTCTGGGAGC	587	
OY	584	TATTGAGACGACAAAGTCTTAACGGCGCTGATGACATGGGGCGCATCAAGCCGTGCGTGC	643	
DB	588	GGGGGGCTTAAGAATCTCTGATGGGATCACACACTTGGGGGCCCTGGCGTGGGAGCTGG	647	
OY	644	CTCTGTGTGTCTTGGGGGTCTTGTCTCTGCTACTTCTCTTGTGGAAAGGACTACGA	703	
DB	648	CTCTGTGCTCTCTGCGGCTGGGCTGATCTGCTATCTTGTGATCTGGAAAGGGGCTGAAGT	707	

